

0280  
04/09  
0280  
**BIOTECHNOLOGY  
SYSTEMS  
BRANCH**

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/810,861

Source: Q1P

Date processed by STIC: 3/30/2001

RECORDED SEQUENCES IN THIS LISTING ARE FOR INFORMATIONAL PURPOSES ONLY.

NOTICE TO COMMERCIAL USERS: THIS LISTING IS PROVIDED AS A SERVICE AND IS NOT A SUBSTITUTE FOR THE EXAMINATION OF THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE.

FOR CORRECTED SEQUENCES, PLEASE USE THE COMPUTER PROGRAM

FOR CHECKING COMPUTER SEQUENCE LISTINGS. PLEASE USE THE COMPUTER PROGRAM, WHICH IS A COMPUTER PROGRAM ACCESSIBLE THROUGH THE UNITED STATES PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW.

### **Checker Version 3.0**

Checker Version 3.0 application is a state-of-the-art Windows based software application designed to provide a user-interface to check whether a sequence listing contains any non-compliant content. Checker Version 3.0 works for sequence listings containing up to 100,000 sequences.

For more information about the Checker Version 3.0 application, visit the United States Patent and Trademark Office website at <http://www.uspto.gov/web/offices/pac/checker>.

Sequence Listings containing errors can result in rejections, which can delay patent applications, thus costing time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the URL:  
<http://www.uspto.gov/web/offices/pac/checker>

# Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/810,861</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
2 <input type="checkbox"/> Wrapped Aminos	The amino acid number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
3 <input type="checkbox"/> Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.	
4 <input type="checkbox"/> Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.	
5 <input type="checkbox"/> Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.	
6 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.	
7 <input type="checkbox"/> PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies primarily to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
8 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please use the following format for each skipped sequence: <b>(2) INFORMATION FOR SEQ ID NO:X:</b> <b>(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")</b> <b>(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:</b> <b>This sequence is intentionally skipped</b>  Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).	
9 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please use the following format for each skipped sequence. <b>&lt;210&gt; sequence id number</b> <b>&lt;400&gt; sequence id number</b> <b>000</b>	
10 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
11 <input type="checkbox"/> Use of <213>Organism (NEW RULES)	Sequence(s) <input type="checkbox"/> are missing this mandatory field or its response.	→
12 <input type="checkbox"/> Use of <220>Feature (NEW RULES)	Sequence(s) <input type="checkbox"/> are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown" Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)	→
13 <input type="checkbox"/> PatentIn ver. 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.	

OIPE

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/09/810,861**

DATE: 03/30/2001  
 TIME: 14:45:03

Input Set : A:\Bti45sel.app  
 Output Set: N:\CRF3\03302001\I810861.raw

Does Not Comply  
 Corrected Diskette Needed

p.6

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3 <110> APPLICANT: Mor, Tsafrir S.
4      Soreq, Hermona
5      Arntzen, Charles J.
6      Mason, Hugh S.
8 <120> TITLE OF INVENTION: EXPRESSION OF RECOMBINANT HUMAN ACETYLCHOLINESTERASE IN
9      TRANSGENIC PLANTS
11 <130> FILE REFERENCE: BTI-45
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/810,861
C--> 14 <141> CURRENT FILING DATE: 2001-03-16
16 <150> PRIOR APPLICATION NUMBER: 60/190,440
17 <151> PRIOR FILING DATE: 2000-03-17
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45      modified to introduce a Kpn I restriction site
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57 <223> OTHER INFORMATION: Description of Artificial Sequence: plasmid vector
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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/810,861

DATE: 03/30/2001  
TIME: 14:45:03

Input Set : A:\Bti45sel.app  
Output Set: N:\CRF3\03302001\I810861.raw

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,861

DATE: 03/30/2001

TIME: 14:45:03

Input Set : A:\Bti45sel.app

Output Set: N:\CRF3\03302001\I810861.raw

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 162 <212> TYPE: DNA  
 163 <213> ORGANISM: Artificial Sequence  
 165 <220> FEATURE:  
 166 <223> OTHER INFORMATION: Description of Artificial Sequence: plasmid vector  
 167 pTM036

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,861

DATE: 03/30/2001

TIME: 14:45:03

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Output Set: N:\CRF3\03302001\I810861.raw

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,861

DATE: 03/30/2001

TIME: 14:45:03

Input Set : A:\Bti45sel.app

Output Set: N:\CRF3\03302001\I810861.raw

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 220 ccggaccaggc ctccgcttgtt ccgattgaac gcgcggattc tttatcactg ataagtttgt 3060  
 221 ggacatatta tgtttatcag tgataaaagt tcaagcatga caaagtgcg gccgaataca 3120  
 222 gtgatccgtg ccgccttgga cctgttgaac gaggtcggcg tagacggtct gacgacacgc 3180  
 223 aaactggcgg aacgggttggg gttcagcag ccggcgctt actggcactt caggaacaag 3240  
 224 cgggcgctgc tcgacgcact ggccgaagcc atgctggcg agaatcatac gcattcggtg 3300  
 225 ccgagagccg acgacgactg ggcgtcattt ctgatcggtt atgcccgcag cttcaggcag 3360  
 226 ggcgtgctcg cctaccgcga tggcgcgcgc atccatgccc gcacgcgacc gggcgcaccg 3420  
 227 cagatggaaa cggccgacgc gcagcttcgc ttcccttqcq aggccgggtt ttccggccggg 3480  
 228 gacgcgtca atgcgtgtat gacaatcagc tacttcactg ttggggccgt gcttgaggag 3540  
 229 caggccggcg acagcgatgc cggcgagcgc ggcggcaccg ttgaacacaggc tccgctctcg 3600  
 230 ccgctgttgc gggccgcgtt agacgccttc gacgaagccg gtccggacgc agcgttcgag 3660  
 231 cagggactcg cgggttattt cgatggattt ggcggaaagg ggctcggtt caggaacgtt 3720  
 232 gaaggaccga gaaagggtga cgattgtatca ggaccgcgc cggagcgcac cccactcact 3780  
 233 acagcagagc catgttagaca acatccccctc cccctttcca cccgcgtcaga ccccgtagc 3840  
 234 agcccgctac gggcttttc atgcctgccc ttagcgttcca agcctcacgg ccgcgtcgg 3900  
 235 cctctctggc ggccttctgg cgctttccg cttccctcgct cactgactcg ctgcgtcgg 3960  
 236 tcgttcggct gcccggcggt gtatcagctc actcaaaggc ggtataacagg ttatccacag 4020  
 237 aatcaggggta taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc 4080  
 238 gtaaaaaaggc cgcgttgctg gcgttttcc ataggctccg ccccccgtac gagcatcaca 4140  
 239 aaaatcgacg ctcaagtca aggtggcgaa acccgacagg actataaaga taccaggcgt 4200  
 240 ttccccctgg aagctccctc gtgcgtctc ctgttccgac cctgccgtt accggatacc 4260  
 241 .tgtccgcctt tctcccttcg ggaagcgtgg cgctttccg ctgcataacc ctgcttcggg 4320  
 242 gtcattatag cgatttttc ggtatatcca tccttttcg cacgatatac aggattttgc 4380  
 243 caaagggttc gtgttagactt tccttgggtt atccaacggc gtcagccggg caggataggt 4440  
 244 gaagtagggcc caccgcgag cgggtgttcc ttcttcactg tcccttattc gcacctggcg 4500  
 245 gtgctcaacg ggaatcctgc tctgcgaggc tggccggcta ccgcggcgt aacagatgag 4560  
 246 ggcaagcggta tggctgatga aaccaagcca accaggaagg gcagcccacc tatcaaggtg 4620  
 247 tactgccttc cagacgaacg aagagcgatt gaggaaaagg cggcggcgcc cggcatgagc 4680  
 248 ctgtcggcctt acctgctggc cgtcggccag ggctacaaaa tcacggcgtt cgtggactat 4740  
 249 gagcacgtcc cgcgcgttcc ccgcgttcc ggccgttcc ggccgttcc 4800  
 250 aaactctggc tcaccgcga cccgcgcacg gcgcgggtcg gtatgccac gatcctcgcc 4860  
 251 ctgctggcga agatcgaaga gaagcaggac gagcttggca aggtcatgtat gggcgtggc 4920  
 252 cgcggcgggg cagagccatg acttttttag ccgcgttttttgggggggg tgcgcgtgtat 4980  
 253 tgcccaagcac gtccccatgc gctccatcaa gaagagcgac ttgcggagc tggtaagta 5040  
 254 catcaccgcac gagcaaggca agaccgagcg ccttgcgcac gtcaccggg ctgggttgc 5100  
 255 tcggcgctgg gctggcgccc gtctatggcc ctgcgttccgc gcgcgggtcg ccgtcgaagc 5160  
 256 cgtgtgcgag acaccgcggc cgcggcggtt gtggataacct cgcggaaaac ttggccctca 5220  
 257 ctgacagatg aggggcggac gttgacactt gagggggccga ctcaccggc gcggcgttga 5280  
 258 cagatgaggg gcaggctcgat ttcggccgg cgcgtggag ctggccagcc tcgcaaatcg 5340  
 259 gcggaaaacgc ctgatttac gcgttcc cacagatgtat gttgacaaggc ctggggataa 5400  
 260 gtgcctgcgtt gtattgacac ttgaggggcg cgcgttccgc cgcgttccgc 5460  
 261 tgacacttgc gggcgaggt gtcgttccgc gaggggcgca ctttgcgttgc tttgaggggc 5520  
 262 tgtccacagg cagaaaatcc agcatttgcgttcc cccgttttc ggccaccgct 5580  
 263 aacctgtctt ttaacctgtt ttaaacccaa tatttataaa ctttgcgttgc aaccagggt 5640  
 264 gcggccctgtg cgcgttccgc cgcgttccgc aggggggtgc ccccttctt cgaaccctcc 5700  
 265 cggcccgcta acgcggccctt cccatcccccc caggggctgc gcgcgttccgc cgcgttccgc 5760  
 266 ctcaccccaa aaatggcagc gtcgttccgc ctttgcgttgc cgggatcgg ggcagtaacg 5820

Sequence 4 (cont'd)

09/8/86 1

ttttcccagt cacgacgttg taaaacgacg gccagtgaat tnnnnnnnnnn nnnnnnnnnnn 11880  
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 11940  
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 12000  
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 12060  
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 12120  
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 12180

See item 10 on Error Summary Sheet

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/09/810,861

DATE: 03/30/2001  
TIME: 14:45:04

Input Set : A:\Bti45sel.app  
Output Set: N:\CRF3\03302001\I810861.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:367 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:367 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:368 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:368 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:369 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:369 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:370 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:370 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:371 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:371 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:372 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:372 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4